## SIEMENS

## Data sheet

## 3RU2116-0BB0



Overload relay 0.14...0.20 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name         SIRIUS           product designation         sRU2           Contrait lochnical data         sRU2           size of overload relay         S00           size of contactor can be combined company-specific         S00           power loss [W] for rated value of the current at AC in hot         4.8 W           operating state         1.6 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         680 V           surge voltage resistance rated value         68V V           maximum permissible voltage for protective separation in networks with grounded star point         440 V           • between auxiliary dricuit         440 V           • between main and auxiliary circuit         440 V           • between main and prove topolesconding to ATEX directive 2014/34/EU         <	and use brand meno	
product type designation     3RU2       General technical data	•	
Control         Control           size of overload relay         S00           size of contactor can be combined company-specific         S00           power loss [W] for rated value of the current at AC in hot         4.8 W           operating state         1.6 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         64V           maximum permissible voltage for protective separation in networks with grounded star point         440 V           • between auxiliary and auxiliary circuit         440 V           • between main and auxiliary circuit         400 V           • between main and auxiliary circuit		
size of overload relay     S00       size of contactor can be combined company-specific     S00       power loss [W] for rated value of the current at AC in hot operating slate     4.8 W       • per pole     1.6 W       insulation voltage with degree of pollution 3 at AC rated value     680 V       surge voltage resistance rated value     61 V       maximum permissible voltage for protective separation in networks with grounded star point     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     440 V       • between de according to IEC 60088-2-27     8g /11 ms       type of protection according to IEC 801346-2     F       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2000 m       ambient temperature     40 +70 °C       • during operation     -55 +80 °C       • during operation     -55 +80 °C       • during transport     -55 +80 °C <td< th=""><th></th><th>3RU2</th></td<>		3RU2
size of contactor can be combined company-specific       S00         power loss [W] for rated value of the current at AC in hot operating state       4.8 W         • per pole       1.6 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       690 V         maximum permissible voltage for protective separation in networks with grounded star point       40 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between auxiliary circuit       40 V         • between auxiliary circuit       40 V         • stork starce according to IEC 80068-22       F         Substance Prohibitance (Date)<		
power loss [W] for rated value of the current at AC in hot       4.8 W         oper pole       1.6 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       680 V         surge voltage resistance rated value       680 V         between auxiliary circuit       440 V         • between auxiliary and auxiliary circuit       440 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between auxiliary dircuit       440 V         • between auxiliary circuit       40 V         • between auxiliary circuit       50 (200         • duitability according to ATEX directive 2014/34/EU       DMI 68 ATEX G 001         reference cod	-	
operating state     1.6 W       insulation voltage with degree of pollution 3 at AC rated value     680 V       surge voltage resistance rated value     6 kV       maximum permissible voltage for protective separation in networks with grounded star point     440 V       • between auxiliary and auxiliary circuit     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     440 V       • between scording to IEC 60068-2-27     8g / 11 ms       type of protection according to ATEX directive 2014/34/EU     DMT 98 ATEX 6 001       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX 6 001       feference code according to IEC 60068-2-27     F       substance Prohibitance (Date)     100/12009       Ambient conditions     2 000 m       ambient timperature     -+70 °C </th <th></th> <th>S00</th>		S00
insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       6 kV         maximum permissible voltage for protective separation in networks with grounded star point       6 kV         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between auxiliary circuit       Ex II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       -40 +70 °C <td< th=""><td></td><td>4.8 W</td></td<>		4.8 W
surge voltage resistance rated value     6 kV       maximum permissible voltage for protective separation in networks with grounded star point     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     440 V       • shock resistance according to ATEX directive 2014/34/EU     EX III (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001       reference code according to IEC 81346-2     F       Substance Prohibitance (Date)     10/01/2009       Ambient temperature     2 000 m       • during operation     -40 +70 °C       • during storage     -55 +80 °C       • during transport     -55 +80 °C       temperature compensation     -40 +60 °C       relative humidity d	• per pole	1.6 W
maximum permissible voltage for protective separation in networks with grounded star point         440 V           • between auxiliary and auxiliary circuit         440 V           • between main and auxiliary circuit         440 V           • between according to IEC 60068-2-27         8g /11 ms           type of protection according to ATEX directive 2014/34/EU         Ex II (2) GD           certificate of suitability according to ATEX directive 2014/34/EU         DMT 98 ATEX G 001           reference code according to IEC 81346-2         F           Substance Prohibitance (Date)         10/01/2009           Ambient conditions         10/01/2009           ambient temperature         400 +70 °C           • during storage         -55 +80 °C           • during transport         -55 +80 °C           temperature compensation         -40 +60 °C           relative humidity during operation         10 95 %           Main circuit<	insulation voltage with degree of pollution 3 at AC rated value	690 V
networks with grounded star point     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     440 V       • between according to IEC 60068-2-27     8g / 11 ms       type of protection according to ATEX directive 2014/34/EU     Ex II (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001       reference code according to IEC 81346-2     F       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     10/01/2009       Ambient conditions     2 000 m       ambient temperature     -       • during operation     -40 +70 °C       • during transport     -55 +80 °C       temperature compensation     -40 +60 °C       • during transport     010 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-dependent overload release     690 V       •	surge voltage resistance rated value	6 kV
between auxiliary and auxiliary circuit     between main and auxiliary circuit     between the auximum     between tween auximum auximum     between the auximum auximum     between the auximum auximum     between the auximu		
between main and auxiliary circuit     between main and auxiliary circuit     between main and auxiliary circuit     440 V     between main and auxiliary circuit     440 V     shock resistance according to IEC 60068-2-27     8g / 11 ms     type of protection according to ATEX directive 2014/34/EU     Ex II (2) GD     certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001     reference code according to IEC 81346-2     F     Substance Prohibitance (Date)     10/01/2009  Ambient conditions     installation altitude at height above sea level maximum     ambient temperature         during operation         during storage         during storage         during transport         during operation         during operation         during operation         during operation         during operation         during operation         during transport         during operation         during operation         during operation         during operation         during operation         during operation         during transport         during operation         du	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V
• between main and auxiliary circuit     440 V       shock resistance according to IEC 60068-2-27     8g / 11 ms       type of protection according to ATEX directive 2014/34/EU     Ex II (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001       reference code according to IEC 81346-2     F       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2 000 m       ambient temperature     -       • during operation     -40 +70 °C       • during storage     -55 +80 °C       • during transport     -55 +80 °C       temperature compensation     -40 +60 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-dependent overload release     0.14 0.2 A       operating voltage     690 V       • at AC-3e rated value maximum     690 V	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V
shock resistance according to IEC 60068-2-27       8g / 11 ms         type of protection according to ATEX directive 2014/34/EU       EX II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         • during operation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.14 0.2 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V	<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 98 ATEX G 001reference code according to IEC 81346-2FSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-40 +70 °C• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.14 0.2 Aoperating voltage690 V• at AC-3e rated value maximum690 V	<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-       0.14 0.2 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V	shock resistance according to IEC 60068-2-27	8g / 11 ms
reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       installation altitude at height above sea level maximum       2 000 m         ambient temperature       -       -         • during operation       -40 +70 °C       -         • during storage       -55 +80 °C       -         • during transport       -55 +80 °C       -         temperature compensation       -40 +60 °C       -         relative humidity during operation       10 95 %       -         Main circuit       3       -       -         number of poles for main current circuit       3       -       0.14 0.2 A         operating voltage       -       rated value       690 V       -         • at AC-3e rated value maximum       690 V       -       -       690 V       -	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage • rated value       690 V         • at AC-3e rated value maximum       690 V	certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-       0.14 0.2 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V	reference code according to IEC 81346-2	F
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage • rated value       690 V         • at AC-3e rated value maximum       690 V	Substance Prohibitance (Date)	10/01/2009
ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V	Ambient conditions	
• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.14 0.2 Aoperating voltage • rated value690 V• at AC-3e rated value maximum690 V	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>during storage</li> <li>during transport</li> <li>during transport</li> <li>55 +80 °C</li> <li>temperature compensation</li> <li>-40 +60 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current- dependent overload release</li> <li>operating voltage         <ul> <li>rated value</li> <li>690 V</li> <li>edit value maximum</li> <li>690 V</li> </ul> </li> </ul>	ambient temperature	
• during transport     -55 +80 °C       temperature compensation     -40 +60 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current- dependent overload release     0.14 0.2 A       operating voltage     690 V       • rated value     690 V       • at AC-3e rated value maximum     690 V	during operation	-40 +70 °C
temperature compensation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage <ul> <li>rated value</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> </ul>	during storage	-55 +80 °C
relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V	during transport	-55 +80 °C
Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V	temperature compensation	-40 +60 °C
number of poles for main current circuit     3       adjustable current response value current of the current- dependent overload release     0.14 0.2 A       operating voltage     690 V       • rated value     690 V       • at AC-3e rated value maximum     690 V	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release       0.14 0.2 A         operating voltage <ul> <li>rated value</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> </ul>	Main circuit	
dependent overload release       operating voltage       • rated value       • at AC-3e rated value maximum       690 V	number of poles for main current circuit	3
rated value     at AC-3e rated value maximum     690 V	•	0.14 0.2 A
• at AC-3e rated value maximum 690 V	operating voltage	
	• rated value	690 V
operating frequency rated value	• at AC-3e rated value maximum	690 V
	operating frequency rated value	50 60 Hz
operational current rated value 0.2 A	operational current rated value	0.2 A
operational current at AC-3e at 400 V rated value 0.2 A	operational current at AC-3e at 400 V rated value	0.2 A
operating power	operating power	

-+ 4.0.0			
• at AC-3	0.00 100		
- at 400 V rated value	0.06 kW		
— at 500 V rated value	0.06 kW		
— at 690 V rated value	0.09 kW		
• at AC-3e			
— at 400 V rated value	0.06 kW		
— at 500 V rated value	0.06 kW		
— at 690 V rated value	0.09 kW		
Auxiliary circuit			
design of the auxiliary switch	integrated		
number of NC contacts for auxiliary contacts	1		
• note	for contactor disconnection		
number of NO contacts for auxiliary contacts	1		
• note	for message "Tripped"		
number of CO contacts for auxiliary contacts	0		
operational current of auxiliary contacts at AC-15			
• at 24 V	3 A		
• at 110 V	3 A		
• at 120 V	3 A		
• at 125 V	3 A		
• at 230 V	2 A		
• at 400 V	1A		
• at 690 V	0.75 A		
operational current of auxiliary contacts at DC-13			
• at 24 V	2 A		
• at 60 V	0.3 A		
• at 110 V	0.22 A		
• at 125 V	0.22 A		
• at 220 V	0.11 A		
contact rating of auxiliary contacts according to UL	B600 / R300		
	500071000		
Protective and monitoring functions			
Protective and monitoring functions			
trip class	CLASS 10		
trip class design of the overload release	CLASS 10 thermal		
trip class design of the overload release UL/CSA ratings			
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 0.2 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection	thermal 0.2 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link	thermal 0.2 A 0.2 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required	thermal 0.2 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	thermal 0.2 A 0.2 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required	thermal 0.2 A 0.2 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	thermal 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	thermal 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A any		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         Short-circuit protection         design of the fuse link         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method	thermal 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         Short-circuit protection         design of the fuse link         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         height	thermal 0.2 A 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         Short-circuit protection         design of the fuse link         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	thermal 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         Short-circuit protection         design of the fuse link         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth	thermal 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and</li> </ul> </li>	thermal 0.2 A 0.2 A 0.2 A any Contactor mounting 76 mm 45 mm 70 mm		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> Short-circuit protection       design of the fuse link <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         Connections/ Terminals         product component removable terminal for auxiliary and control circuit	thermal 0.2 A 0.2 A 0.2 A any Contactor mounting 76 mm 45 mm 70 mm		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection</li> </ul> </li>	thermal 0.2 A 0.2 A 0.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection             <ul> <li>for main current circuit</li> </ul> </li> </ul></li>	thermal 0.2 A 0.2 A 0.2 A 1.2 fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm V No screw-type terminals		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection                 <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current</li> </ul> </li> </ul></li>	thermal 0.2 A 0.2 A 0.2 A 0.2 A 10.2 A 10		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection                 <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> </li> </ul> </li>	thermal 0.2 A 0.2 A 0.2 A 0.2 A 10.2 A 10		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection</li></ul></li>	thermal 0.2 A 0.2 A 0.2 A 0.2 A		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> short-circuit protection         design of the fuse link         of or short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         Connections/ Terminals         product component removable terminal for auxiliary and control circuit         of or main current circuit         of or auxiliary and control circuit         arrangement of electrical connectors for main current circuit         upper of connectable conductor cross-sections         of or main contacts         - solid or stranded	thermal 0.2 A 0.2 A 0.2 A 1.2		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection                 <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> </li> </ul> </li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections                  <ul> <li>for main contacts</li> <li>for main contacts</li> </ul> </li>	thermal         0.2 A         0.2 A         0.2 A         fuse gG: 6 A, quick: 10 A         any         Contactor mounting         76 mm         45 mm         70 mm         No         screw-type terminals         screw-type terminals         Top and bottom         2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         2x (0,5 1.5 mm²), 2x (0,75 2,5 mm²)		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection             <ul> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>for main contacts                  <ul> <li>solid or stranded</li> <li>main contacts</li> <li>solid or stranded with core end processing</li> <li>for AWG cables for main contacts</li> <li>for AWG cables for main contacts</li></ul></li></ul></li></ul></li>	thermal 0.2 A 0.2 A 0.2 A 1.2 A 0.2 A 1.2		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>for main contacts                  <ul> <li>solid or stranded</li> <li>main correctsing</li> <li>for main contacts</li> <li>for leever conductor cross-sections</li> <li>for main contacts</li></ul></li></ul></li>	thermal         0.2 A         0.2 A         0.2 A         fuse gG: 6 A, quick: 10 A         any         Contactor mounting         76 mm         45 mm         70 mm         No         screw-type terminals         screw-type terminals         Top and bottom         2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         2x (0,5 1.5 mm²), 2x (0,75 2,5 mm²)		

-	nded with core end process	ing	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2x (20 16), 2x (18 14)	·		
	s for auxiliary contacts		2x (20 16), 2x (18 14)			
tightening torque			0.0 1.0 1			
	ts with screw-type terminals		0.8 1.2 N·m			
for auxiliary contacts with screw-type terminals			0.8 1.2 N·m			
design of screwdriver shaft			Diameter 5 6 mm			
size of the screwdriv	•		Pozidriv PZ 2			
design of the thread	of the connection screw					
<ul> <li>for main contact</li> </ul>	ts		M3			
of the auxiliary	and control contacts		M3			
Safety related data						
failure rate [FIT] with l	ow demand rate according	to SN 31920	50 FIT			
MTTF with high dem	and rate		2 280 a			
T1 value for proof test 61508	interval or service life acco	rding to IEC	20 a			
protection class IP o	n the front according to II	EC 60529	IP20			
•	the front according to IEC		finger-safe, for vertical contac	ct from the front		
Display						
display version for swi	itching status		Slide switch			
Certificates/ approvals	-					
General Product Ap	proval			For use in hazardous	locations	
	<u>Confirmation</u>	(ال س	EAC	IECEx IECEx	K ATEX	
Declaration of Confe	ormity	Test Certificate	es	Marine / Shipping		
UK CA	CC EG-Konf.	<u>Special Test Ce</u> <u>ate</u>	ertific- <u>Type Test Certific-</u> ates/Test Report	ABS	BUREAU	
Marine / Shipping					other	
	Lloyds Register us	PRS	RINA	RMRS RMRS	<u>Confirmation</u>	
other	Railway					
UDE VDE	Vibration and Shock					
Further information						
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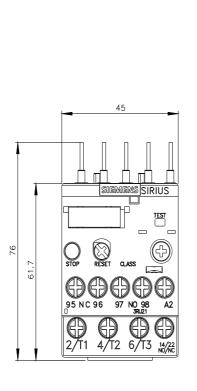
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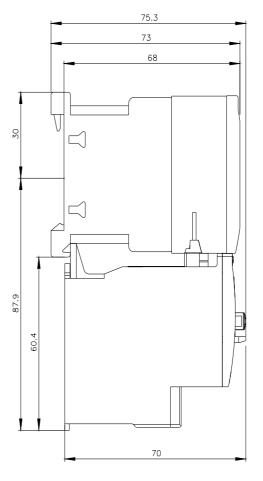
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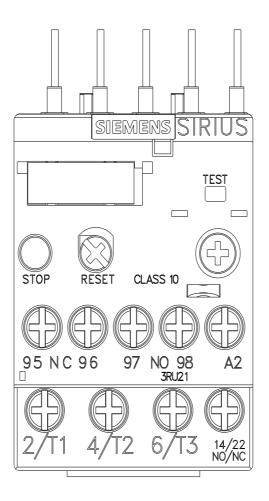
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RU2116-0BB0&lang=en

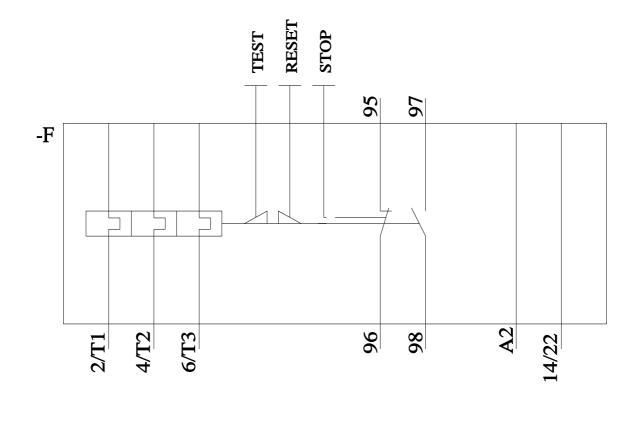
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0BB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0BB0&objecttype=14&gridview=view1









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